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Pro Ala Ala Gln Gln Leu His Arg Glu Asn Ile Gln Arg Ile Val Gln 85 90 95

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Ala Thr Thr Ile Lys Pro Gly Leu Ala Leu Ser Leu Gly Val Gly Leu
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Pro Pro Leu His His Ala Lys Asn Cys Asp Phe Ser Phe Thr Gly Leu 245 250 255

Gln His Val Thr Asp Lys Ile Ile Met Lys Lys Glu Lys Glu Glu Gly 260 265 270

Ile Glu Lys Gly Gln Ile Leu Ser Ser Ala Ala Asp Ile Ala Ala Thr 275 280 285

Val Gln His Thr Met Ala Cys His Leu Val Lys Arg Thr His Arg Ala 290 295 300

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Asp Asp Asn Leu Val Val Leu Gly Ile Glu Thr Ser Cys Asp Asp Thr 85 90 95

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Lys Ala Asn Leu Thr Glu Lys Asp Leu Ser Ala Val Ala Val Thr Ile 145 150 155 160

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Glu Ala His Ala Leu Val Ala Arg Leu Val Glu Gln Glu Leu Ser Phe 195 200 205

Pro Phe Met Ala Leu Leu Ile Ser Gly Gly His Asn Leu Leu Val Leu

215 220

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- Asp Ala Lys Ser Val Lys Phe Asn Val Pro Met Lys Tyr His Lys Asp 275 280 285
- Cys Asn Phe Ser Tyr Ala Gly Leu Lys Thr Gln Val Arg Leu Ala Ile 290 295 300
- Glu Ala Lys Glu Ile Arg Asn Arg Ala Asp Ile Ala Ala Ser Phe Gln 305 310 315 320
- Arg Val Ala Val Leu His Leu Glu Glu Lys Cys Glu Arg Ala Ile Asp 325 330 335
- Trp Ala Leu Glu Leu Glu Pro Ser Ile Lys His Met Val Ile Ser Gly 340 345 350
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- Glu Asn Lys Asn Leu Lys Leu Val Cys Pro Pro Pro Ser Leu Cys Thr 370 375 380
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Gly Ile Ser Ala Ala Ile Gly Phe Ala Lys Lys His Arg Leu Pro Leu 115 120 125

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His Ala Leu Ile Ser Val Ala Glu Asp Val Glu Lys Phe Lys Leu Tyr 165 170 175

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- Arg Gln Leu Gly Asp Leu Gly Ser Glu Phe Asp Gly Ile His Val Gly 195 200 205
- Ala Ala Val Glu Ile Leu Ala Ser Arg Ala Ser Ala Asp Gly His Leu 210 215 220
- Arg Tyr Pro Ile Phe Leu Pro Asn Val Pro Lys Ala Asn Met Asn Phe 225 230 235 240
- Asp Gln Ile Lys Gly Ser Tyr Leu Asn Leu Leu Glu Arg Leu Arg Lys 245 250 255
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- Gly Val Ala Ala Asn Gln Tyr Ile Phe Gly Ala Ile Ser Lys Leu Ser 305 310 315 320
- Ala Ala His Asn Val Thr Thr Ile Lys Val Leu Leu Ser Leu Cys Thr 325 330 335
- Asp Asn Ala Glu Met Ile Ala Tyr Ser Gly Leu Leu Met Leu Val Asn 340 345 350
- Arg Ser Glu Ala Ile Trp Trp Arg Pro Asn Asp Ile Pro Asp Thr Ile 355 360 365
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- Ile Asp Thr Pro Arg Arg Lys Leu Val Thr Ser Thr Ile His Gly Thr 385 390 395 400
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Arg His His Leu Lys Asn Leu Pro Ile Leu Leu Lys Lys Ala Phe Glu 50 55 60

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Gly Leu Ile Gly Ala Leu Leu Val Gly Leu Ser Ala Ala Lys Gly Leu 85 90 95

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Tyr Ser Phe Pro Arg Pro Met Leu Asp Asp Asp Ser Tyr Asn Phe Ser 195 200 205

Phe Ala Gly Leu Lys Thr Ser Val Leu Tyr Phe Leu Gln Arg Glu Lys 210 215 220

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Arg Lys Ile Ala Phe Val Gly Gly Val Ala Ala Asn Ser Met Leu Arg 260 265 270

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Pro Pro Leu Glu Leu Cys Thr Asp Asn Ala Leu Met Val Ala Lys Ala 290 295 300

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- Arg Leu His Ala Glu Asn Leu Pro Leu Leu Leu Glu Arg Ile Lys Ile 50 55 60
- Ser Leu Asn Lys Asp Phe Ser Lys Ile Lys Ala Ile Ala Ile Thr Asn 65 70 75 80
- Gln Pro Gly Leu Ser Val Thr Leu Ile Glu Gly Leu Met Met Ala Lys 85 90 95
- Ala Leu Ser Leu Ser Leu Asn Leu Pro Leu Ile Leu Glu Asp His Leu 100 105 110
- Arg Gly His Val Tyr Ser Leu Phe Ile Asn Glu Lys Gln Thr Cys Met 115 120 125
- Pro Leu Ser Val Leu Leu Val Ser Gly Gly His Ser Leu Ile Leu Glu 130 135 140
- Ala Arg Asp Tyr Glu Asn Ile Lys Ile Val Ala Thr Ser Leu Asp Asp 145 150 155 160
- Ser Phe Gly Glu Ser Phe Asp Lys Val Ser Lys Met Leu Asp Leu Gly 165 170 175
- Tyr Pro Gly Gly Pro Ile Val Glu Lys Leu Ala Leu Asp Tyr Arg His 180 185 190
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- Glu Lys Asn Ala Pro Asn Leu Asn Glu Ala Ile Lys Gln Lys Ile Gly 225 230 235 240
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Lys Leu Thr Leu Val Gly Val Ile Pro Glu Ser Leu Glu Pro His Ile 115 120 125

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Ile His Ser Gln Thr Glu Val His Leu Lys Thr Gly Gly Ile Val Pro
65 70 75 80

Pro Ala Ala Gln Gln Leu His Arg Glu Asn Ile Gln Arg Ile Val Gln 85 90 95

Glu Ala Leu Ser Ala Ser Gly Val Ser Pro Ser Asp Leu Ser Ala Ile 100 105 110

Ala Thr Thr Ile Lys Pro Gly Leu Ala Leu Ser Leu Gly Val Gly Leu Ser Phe Ser Leu Gln Leu Val Gly Gln Leu Lys Lys Pro Phe Ile Pro Ile His His Met Glu Ala His Ala Leu Thr Ile Arg Leu Thr Asn Lys Val Glu Phe Pro Phe Leu Val Leu Leu Ile Ser Gly Gly His Cys Leu Leu Ala Leu Val Gln Gly Val Ser Asp Phe Leu Leu Gly Lys Ser Leu Asp Ile Ala Pro Gly Asp Met Leu Asp Lys Val Ala Arg Arg Leu Ser Leu Ile Lys His Pro Glu Cys Ser Thr Met Ser Gly Gly Lys Ala Ile Glu His Leu Ala Lys Gln Gly Asn Arg Phe His Phe Asp Ile Lys Pro Pro Leu His His Ala Lys Asn Cys Asp Phe Ser Phe Thr Gly Leu Gln His Val Thr Asp Lys Ile Ile Met Lys Lys Glu Lys Glu Glu Gly Ile Phe Leu Ile Ser Lys Val Glu Gln Ile Asn Ile Pro Gly Leu Cys Leu Lys Ile Ala Ala His Phe Cys Arg Tyr Glu Lys Gly Gln Ile Leu Ser Ser Ala Ala Asp Ile Ala Ala Thr Val Gln His Thr Met Ala Cys His Leu Val Lys Arg Thr His Arg Ala Ile Leu Phe Cys Lys Gln Arg Asp Leu Leu Pro Gln Asn Asn Ala Val Leu Val Ala Ser Gly Gly Val

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Gly Ile Leu His Asp Ile Glu Gly Ile Arg Tyr Glu Pro Lys Cys Pro 405 410 415

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His His Ala Lys Asn Cys Asp Phe Ser Phe Thr Gly Leu Gln His Val

Thr Asp Lys Ile Ile Met Lys Lys Glu Lys Glu Glu Gly Ile Glu Lys 115 120 125

Gly Gln Ile Leu Ser Ser Ala Ala Asp Ile Ala Ala Thr Val Gln His 130 135 140

Thr Met Ala Cys His Leu Val Lys Arg Thr His Arg Ala Ile Leu Phe 145 150 155 160

Cys Lys Gln Arg Asp Leu Leu Pro Gln Asn Asn Ala Val Leu Val Ala 165 170 175

Ser Gly Gly Val Ala Ser Asn Phe Tyr Ile Arg Arg Ala Leu Glu Ile 180 185 190

Leu Thr Asn Ala Thr Gln Cys Thr Leu Leu Cys Pro Pro Pro Arg Leu 195 200 205

Cys Thr Asp Asn Gly Ile Met Ile Ala Trp Asn Gly Ile Glu Arg Leu 210 215 220

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Leu His Arg Glu Asn Ile Gln Arg Ile Val Gln Glu Ala Leu Ser Ala 50 55 60

Ser Gly Val Ser Pro Ser Asp Leu Ser Ala Ile Ala Thr Thr Ile Lys 65 70 75 80

Pro Gly Leu Ala Leu Ser Leu Gly Val Gly Leu Ser Phe Ser Leu Gln Leu Val Gly Gln Leu Lys Lys Pro Phe Ile Pro Cys Cys Ala Thr Thr Cys Ala Thr Cys Ala Thr Ala Thr Gly Gly Ala Gly Cys Thr Cys 120 Ala Thr Gly Cys Ala Cys Thr Thr Ala Cys Thr Ala Thr Thr Ala Gly 135 Gly Thr Thr Gly Ala Cys Cys Ala Ala Thr Ala Ala Ala Gly Thr Ala 150 155 Gly Ala Ala Thr Thr Cys Ile His His Met Glu Ala His Ala Leu 165 170 Thr Ile Arg <210> 26 <211> 8 <212> PRT <213> bacteriophage T7 <400> 26 Asp Tyr Lys Asp Asp Asp Lys <210> 27 <211> 733 <212> DNA <213> homo sapiens <400> 27 gggatccgga gcccaaatct tctgacaaaa ctcacacatg cccaccgtgc ccagcacctg 60 aattogaggg tgcaccgtca gtcttcctct tccccccaaa acccaaggac accctcatga 120 teteceggae teetgaggte acatgegtgg tggtggaegt aageeacgaa gaeeetgagg 180 tcaagttcaa ctggtacgtg gacggcgtgg aggtgcataa tgccaagaca aagccgcggg 240 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300 ggctgaatgg caaggagtac aagtgcaagg tctccaacaa agccctccca acccccatcg 360

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Ser Glu Arg Tyr Thr Glu Arg Ala Ile Gln Arg Gln Gln Gly Gly Ile 50 55 60

Asn Pro Ser Val Cys Ala Leu Gln His Arg Glu Asn Leu Pro Arg Leu 65 70 75 80

Ile Glu Lys Cys Leu Asn Asp Ala Gly Thr Ser Pro Lys Asp Leu Asp 85 90 95

Ala Val Ala Val Thr Val Thr Pro Gly Leu Val Ile Ala Leu Lys Glu 100 105 110

Gly Ile Ser Ala Ala Ile Gly Phe Ala Lys Lys His Arg Leu Pro Leu 115 120 125

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